

Converting Colors

$Y_{xy}(78.0637, 0.3102, 0.3289)$

Have a look what the booklet for
Yxy(78.0637, 0.3102, 0.3289)
contains.

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Color

Yxy(77.8645, 0.3107, 0.3290)

Conversions

Conversions Part 1	
Format	Color
Hex	E2E5E5
RGB	226, 229, 229
RGB Percent	89%, 90%, 90%
CMY	0.1136, 0.1020, 0.1020
CMYK	0.01, 0.00, 0.00, 0.10
HSL	180°, 5%, 89%
HSV	180°, 1%, 90%
XYZ	73.5334, 77.8645, 85.2723
YIQ	228.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

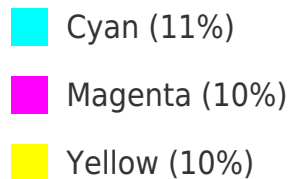
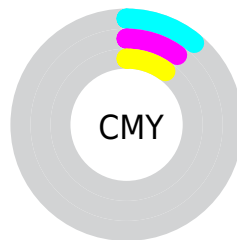
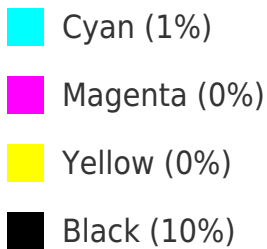
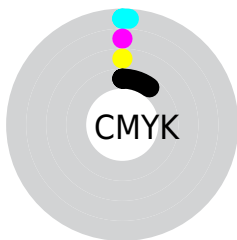
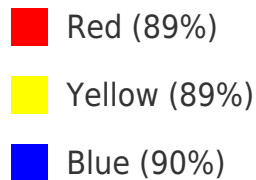
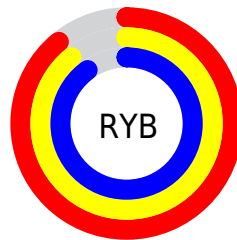
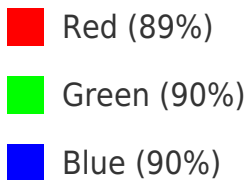
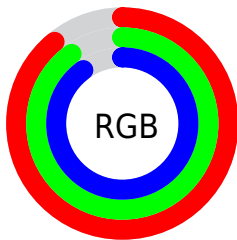
Format	Color
RYB	226, 228, 229
Decimal	14869989
CIELab	90.72, -0.99, -0.35
CIELCh	91, 1.047, 199.796
Yxy	77.8645, 0.3107, 0.3290
Android (android.graphics.Color)	4293060069 (0xFFE2E5E5)
YUV	228.1030, 0.4422, -1.8443
Hunter-Lab	88.2409, -5.6728, 4.4732

Details

The Yxy color **77.8645, 0.3107, 0.3290** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.5650, 0.3148, 0.3290**, and the grayscale version is **77.6653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9860, 0.3101, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **74.4054, 0.2955, 0.3290**, and if you desaturate by 10%, it is **81.8247, 0.3265, 0.3290**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8645, 0.3107, 0.3290 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.8645, 0.3107, 0.3290 by changing the saturation by 10% instead.


 77.8645, 0.3107,
0.3290

 77.8645, 0.3107,
0.3290


487.7065, 0.3116,
0.3290

 57.9627, 0.3105,
0.3290


130.3591, 0.3110,
0.3290

 41.7786, 0.3102,
0.3290

163.7207, 0.3111,
0.3290

 28.9280, 0.3099,
0.3290


202.3376, 0.3113,
0.3290

 19.0264, 0.3095,
0.3290

246.5943, 0.3113,
0.3290

 11.6893, 0.3089,
0.3290

296.8751, 0.3114,
0.3290

 6.5325, 0.3081,
0.3290


353.5645, 0.3115,


 3.1715, 0.3068,


0.3290

0.3289


417.0468, 0.3116,
0.3290


 1.2219, 0.3047,
0.3289


 0.0795, 0.2125,
0.3280


 77.8645, 0.3107,
0.3290

 77.8645, 0.3107,
0.3290


 74.4054, 0.2955,
0.3290


 81.8247, 0.3265,
0.3290


 71.4179, 0.2812,
0.3291


 82.9597, 0.3308,
0.3289


 68.8847, 0.2680,
0.3291


 82.9632, 0.3307,
0.3289


 66.7834, 0.2564,
0.3292


 82.9667, 0.3307,
0.3288

 65.0901, 0.2465,
0.3292


 82.9702, 0.3306,
0.3288


 63.7780, 0.2385,
0.3293


 82.9737, 0.3306,
0.3287


 62.8177, 0.2324,
0.3293

 82.9771, 0.3305,
0.3286

 62.1751, 0.2282,
0.3294

 82.9806, 0.3305,
0.3286

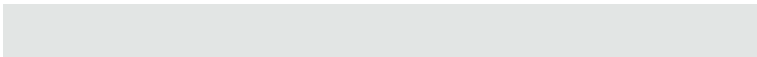
 61.8095, 0.2259,
0.3295

 82.9841, 0.3305,
0.3285

Harmonies

Analogous

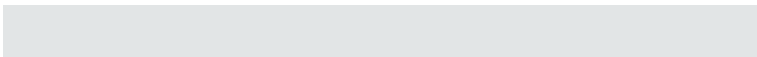
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8645, 0.3116, 0.3301



77.8645, 0.3107, 0.3290



77.8645, 0.3103, 0.3279

Triad

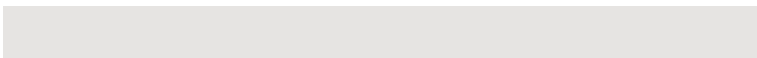
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8645, 0.3107, 0.3290



77.8645, 0.3126, 0.3272



77.8645, 0.3149, 0.3309

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.8645, 0.3107, 0.3290



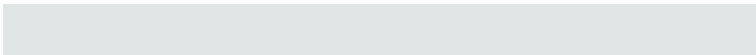
76.5650, 0.3148, 0.3290

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8645, 0.3151, 0.3301



77.8645, 0.3107, 0.3290



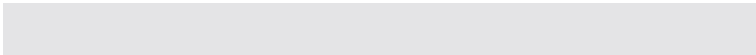
77.8645, 0.3138, 0.3280

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



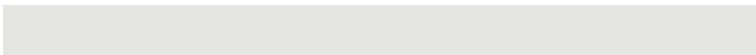
77.8645, 0.3107, 0.3290



77.8645, 0.3114, 0.3269



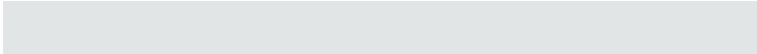
77.8645, 0.3148, 0.3290



77.8645, 0.3140, 0.3312

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8645, 0.3107, 0.3290



77.8645, 0.3104, 0.3274



77.8645, 0.3148, 0.3290



77.8645, 0.3150, 0.3307

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.8678, 0.3107, 0.3290

100.0000, 0.3127, 0.3290



77.7125, 0.3126, 0.3321



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

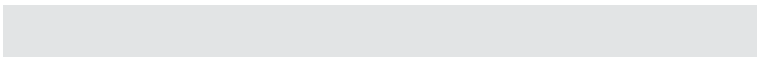
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8678, 0.3107, 0.3290



99.0446, 0.3096, 0.3290



77.0808, 0.3108, 0.3275



16.9111, 0.3098, 0.3290



35.2550, 0.2249, 0.3296



2.6054, 0.2249, 0.3294

Inverse Universe

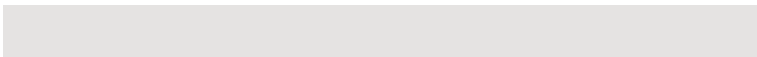
The Inverse Universe completely reimagines the original color for something new.



76.5650, 0.3148, 0.3290



96.4658, 0.3159, 0.3290



77.3451, 0.3147, 0.3305



16.4971, 0.3157, 0.3290



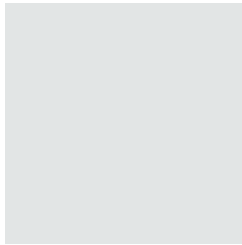
9.5253, 0.6398, 0.3298



0.7041, 0.6389, 0.3293

Previews

White Background



This preview shows how the Yxy color 77.8645, 0.3107, 0.3290 looks on a white background.

Color Contrast Check

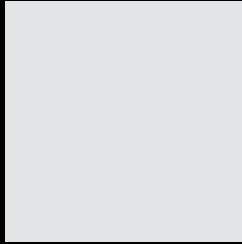
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.8645, 0.3107, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

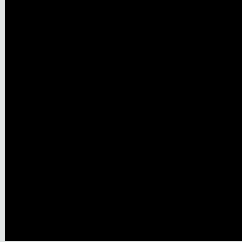
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

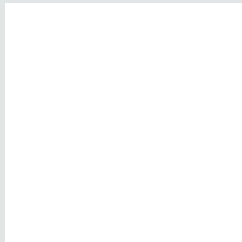
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8645, 0.3107, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 77.8645, 0.3107, 0.3290.

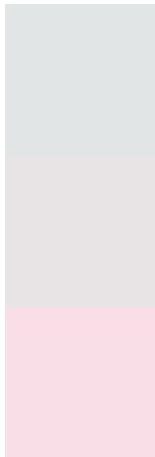


This preview shows how white text looks on a background with the Yxy color 77.8645, 0.3107, 0.3290.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.8645, 0.3107, 0.3290

Protanopia

77.6954, 0.3155, 0.3280

Deuteranopia

77.6222, 0.3260, 0.3189



Tritanopia

78.0247, 0.3021, 0.3103

Trichromacy

	Original Color 77.8645, 0.3107, 0.3290
	Protanomaly 77.9112, 0.3141, 0.3290
	Deuteranomaly 77.7253, 0.3207, 0.3229
	Tritanomaly 78.0497, 0.3051, 0.3175

Monochromacy

	Original Color 77.8645, 0.3107, 0.3290
	Achromatopsia 77.5822, 0.3127, 0.3290
	Achromatomaly 77.4191, 0.3120, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8645, 0.3107, 0.3290 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(226, 229, 229) looks like.

```
.text, #text, p{  
    color:rgb(226, 229, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 229, 229) }
```

Border

The CSS property to change the border of an element to Yxy 77.8645, 0.3107, 0.3290 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 229, 229) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(226, 229, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(226, 229, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(226, 229,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 77.8645, 0.3107, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 229, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
229, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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